

FIG. 1

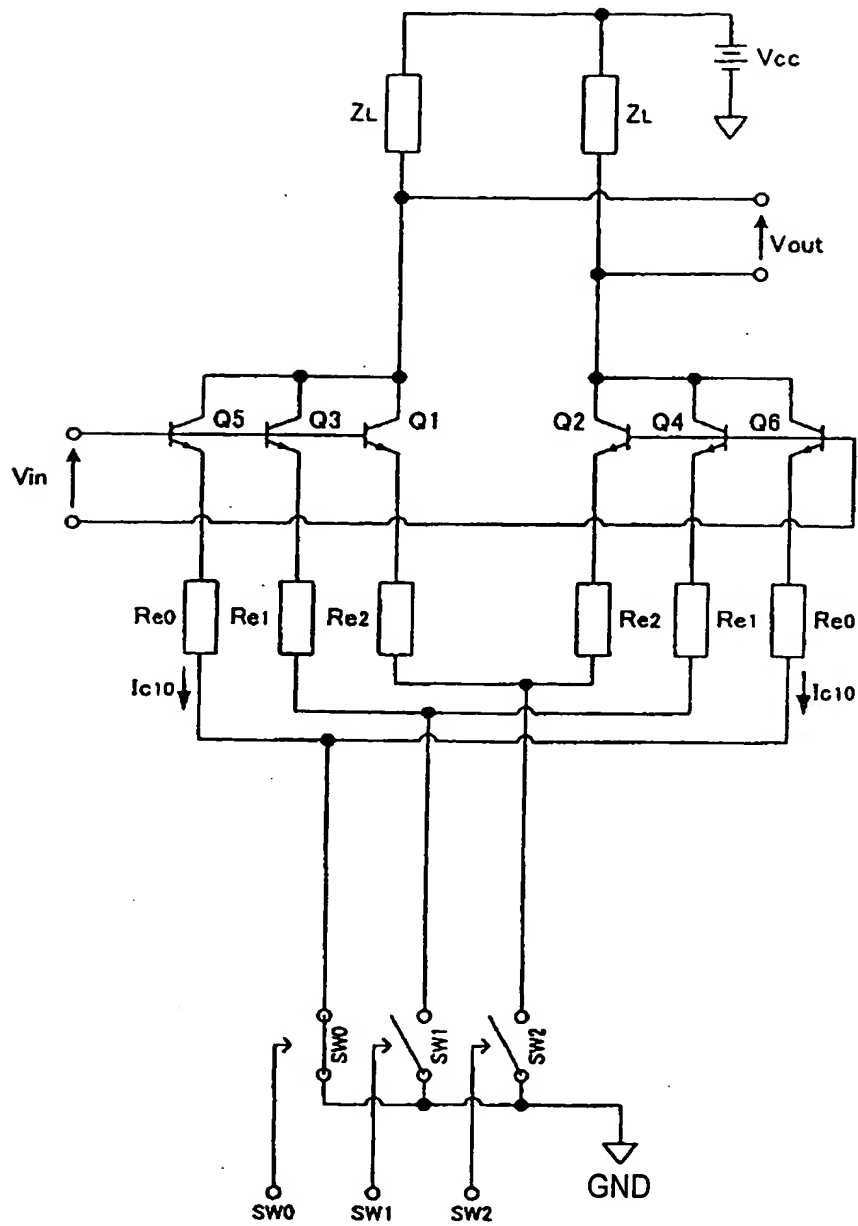


FIG. 2

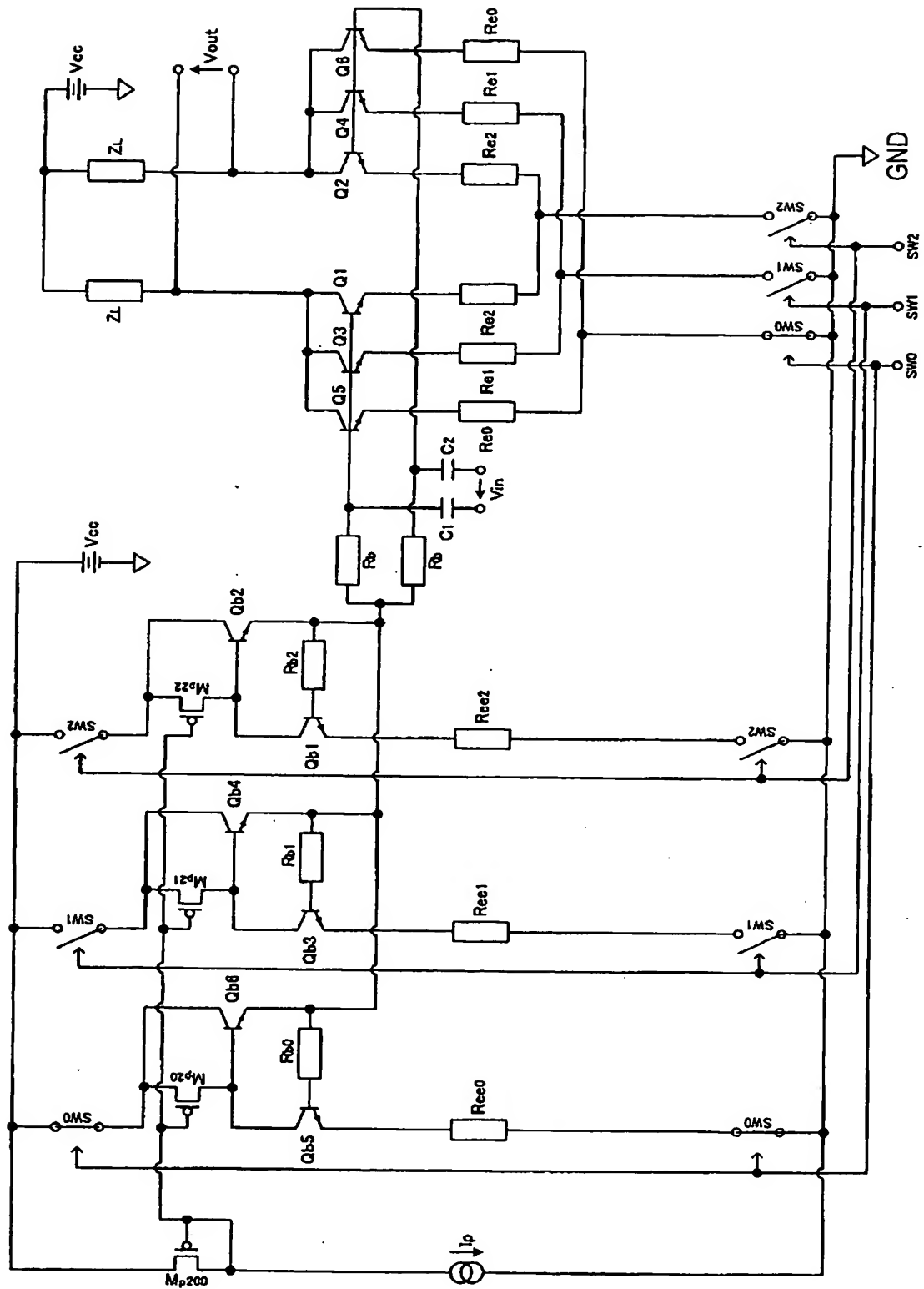


FIG. 3 (a)

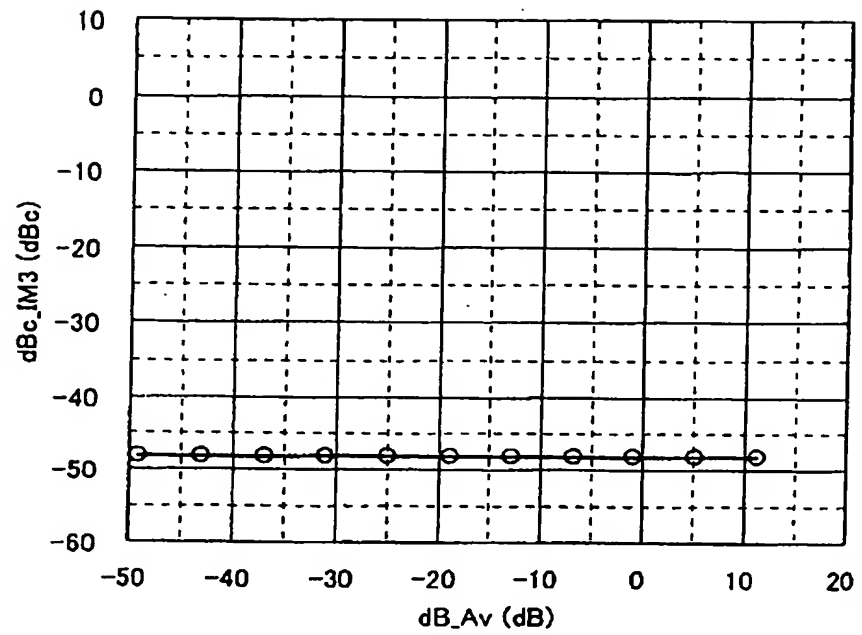


FIG. 3 (b)

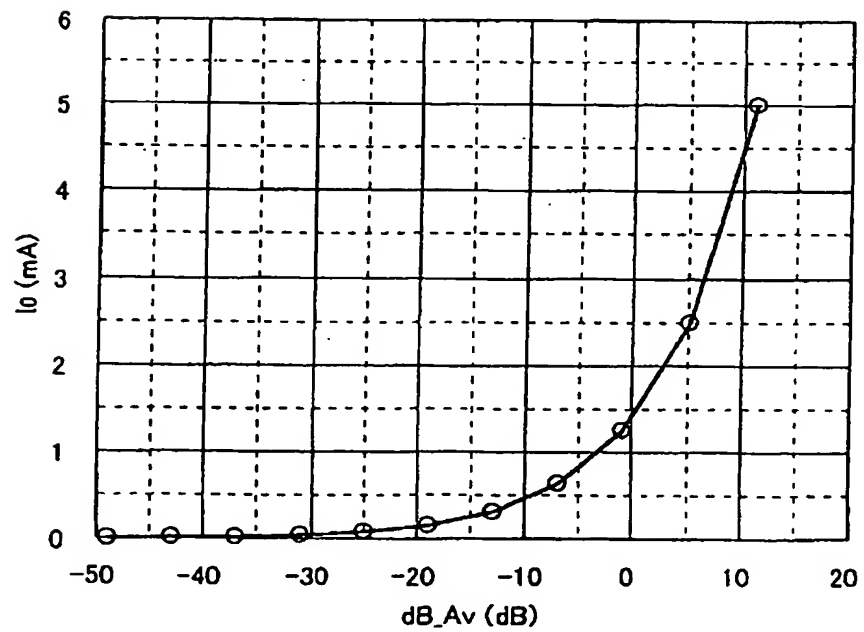
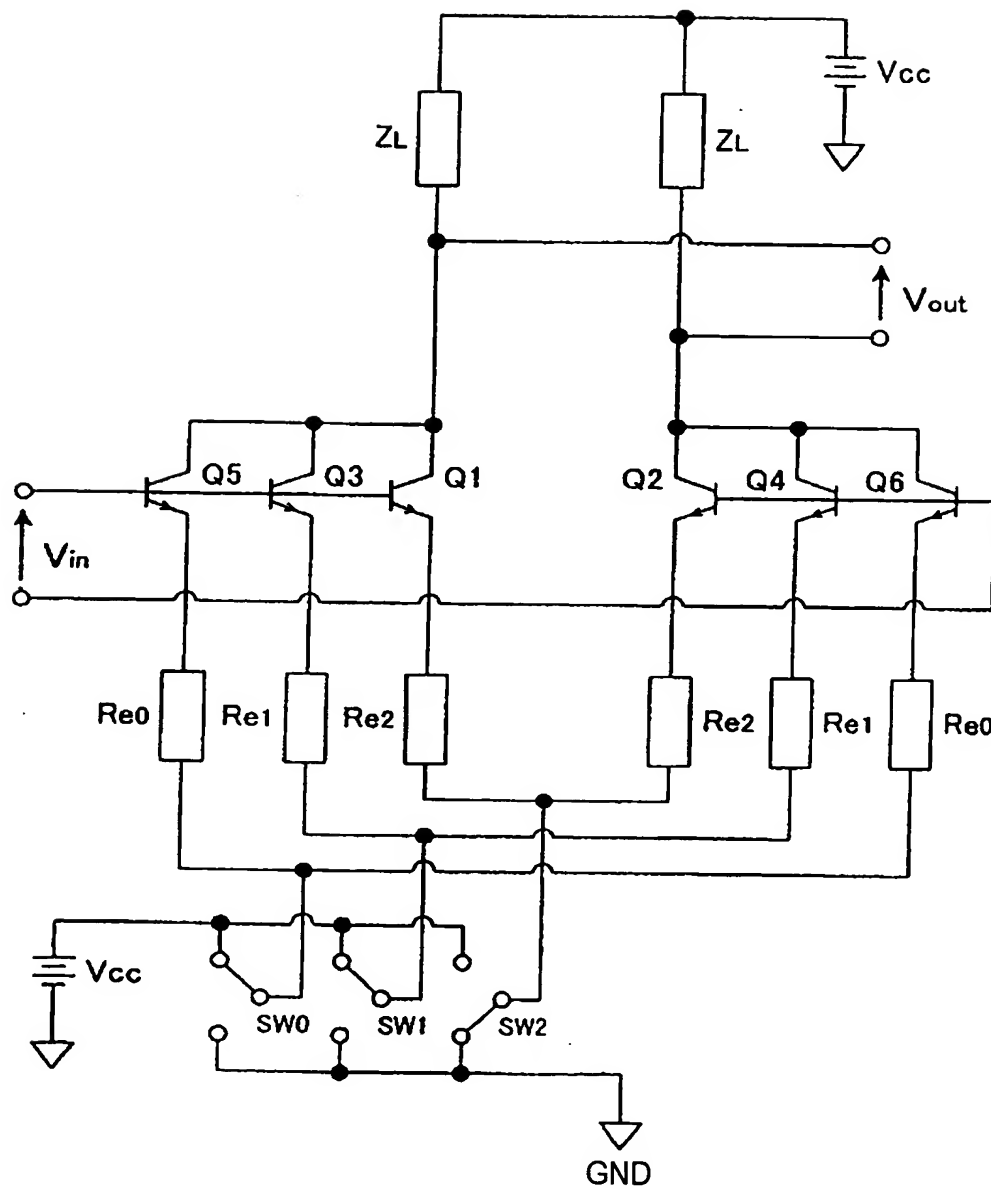


FIG. 4



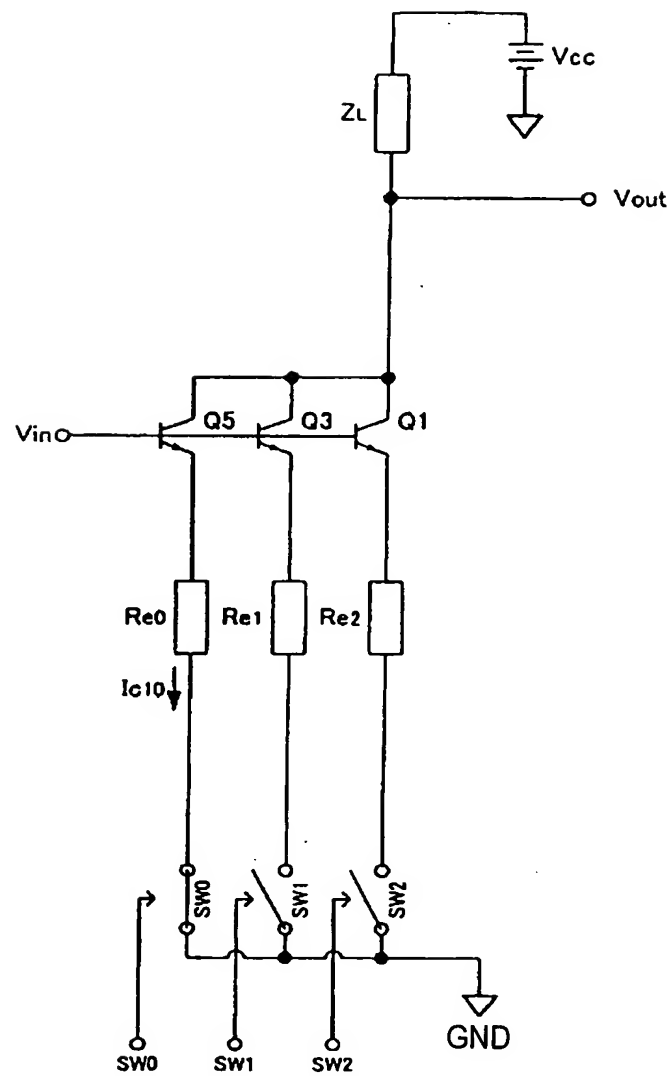
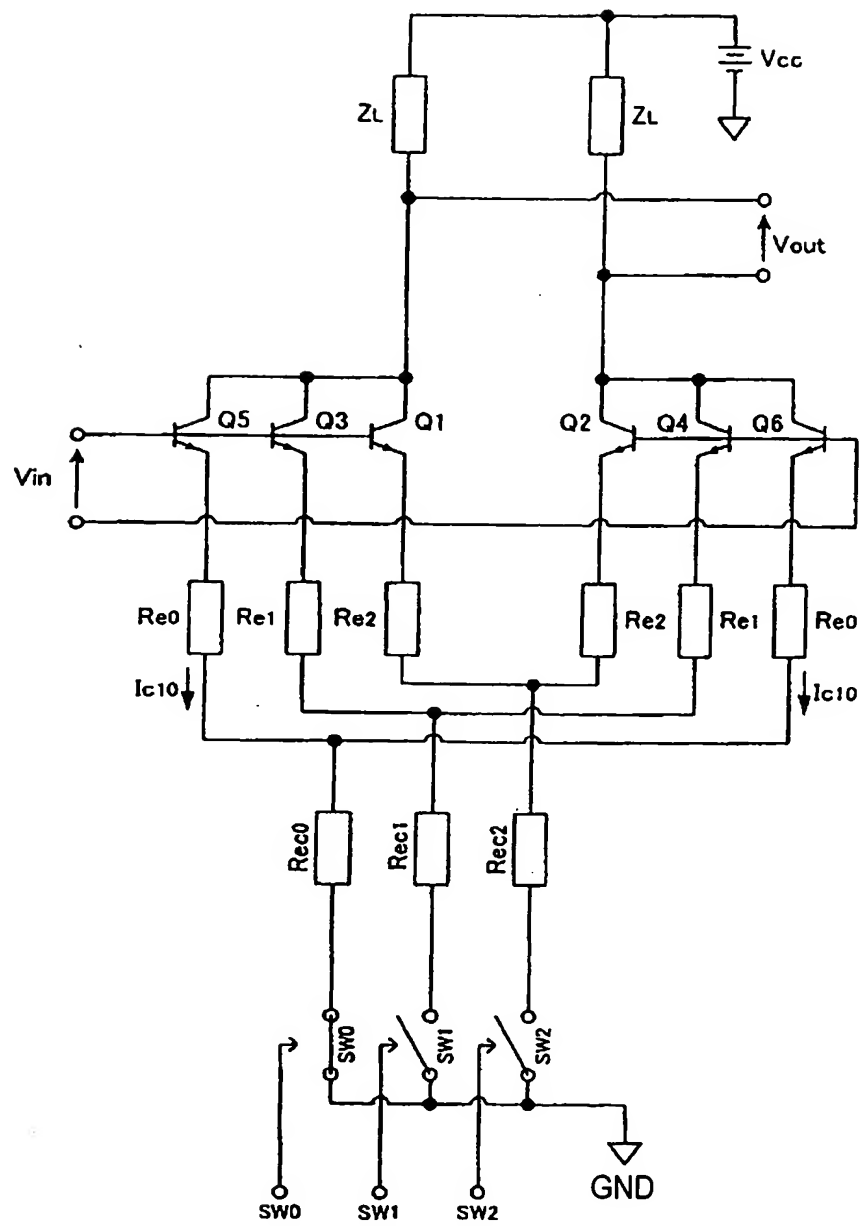
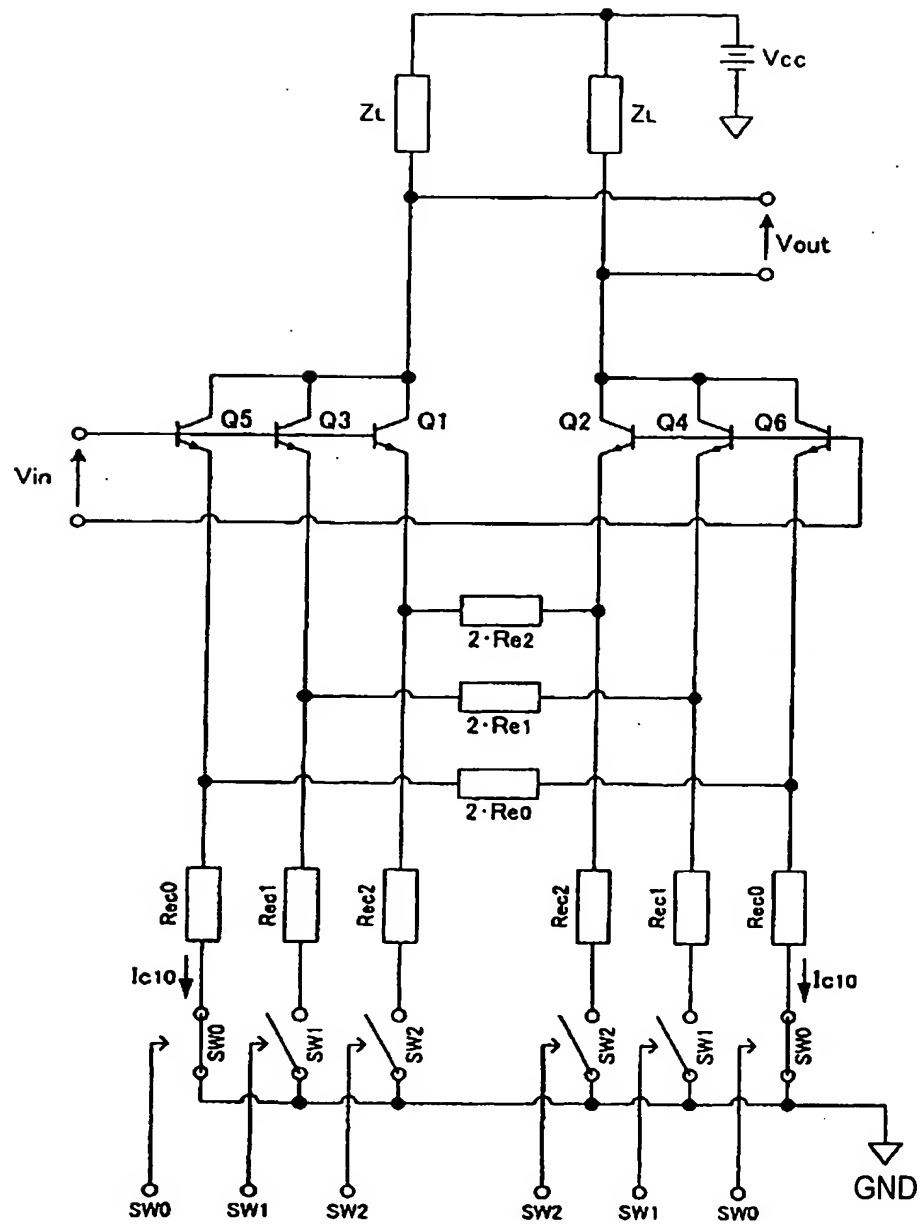


FIG. 6



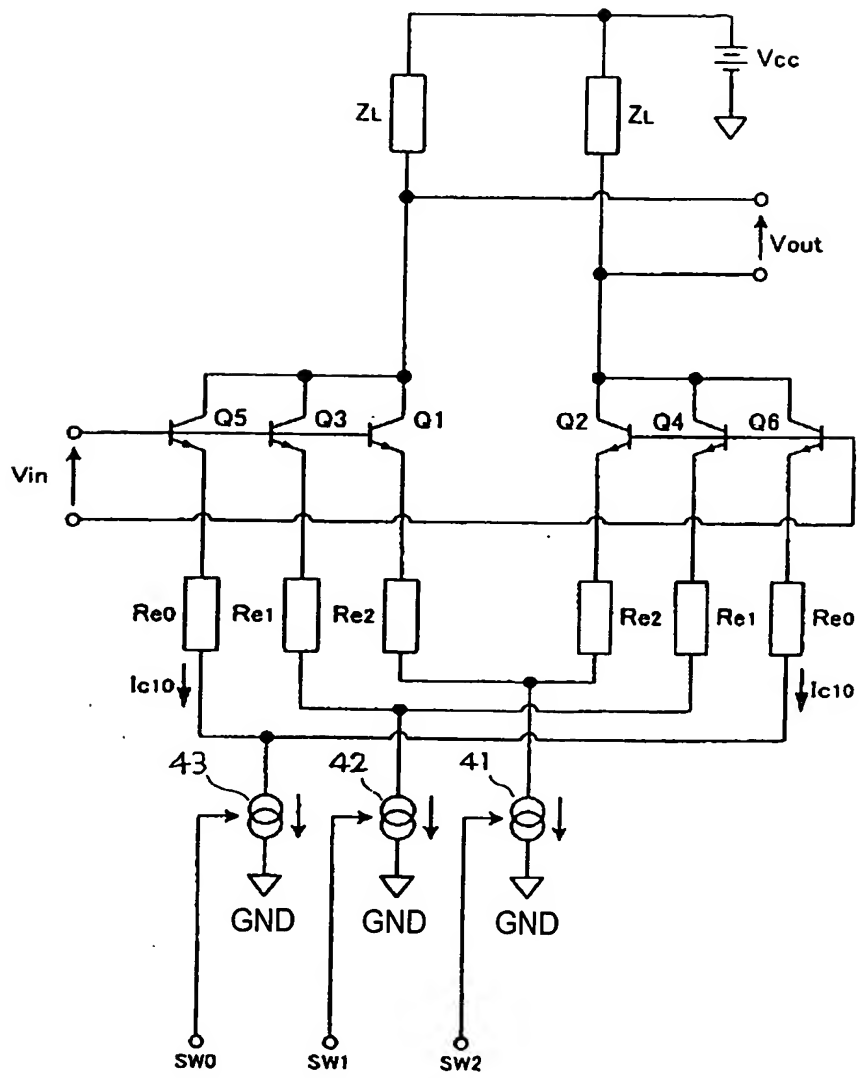
7/33

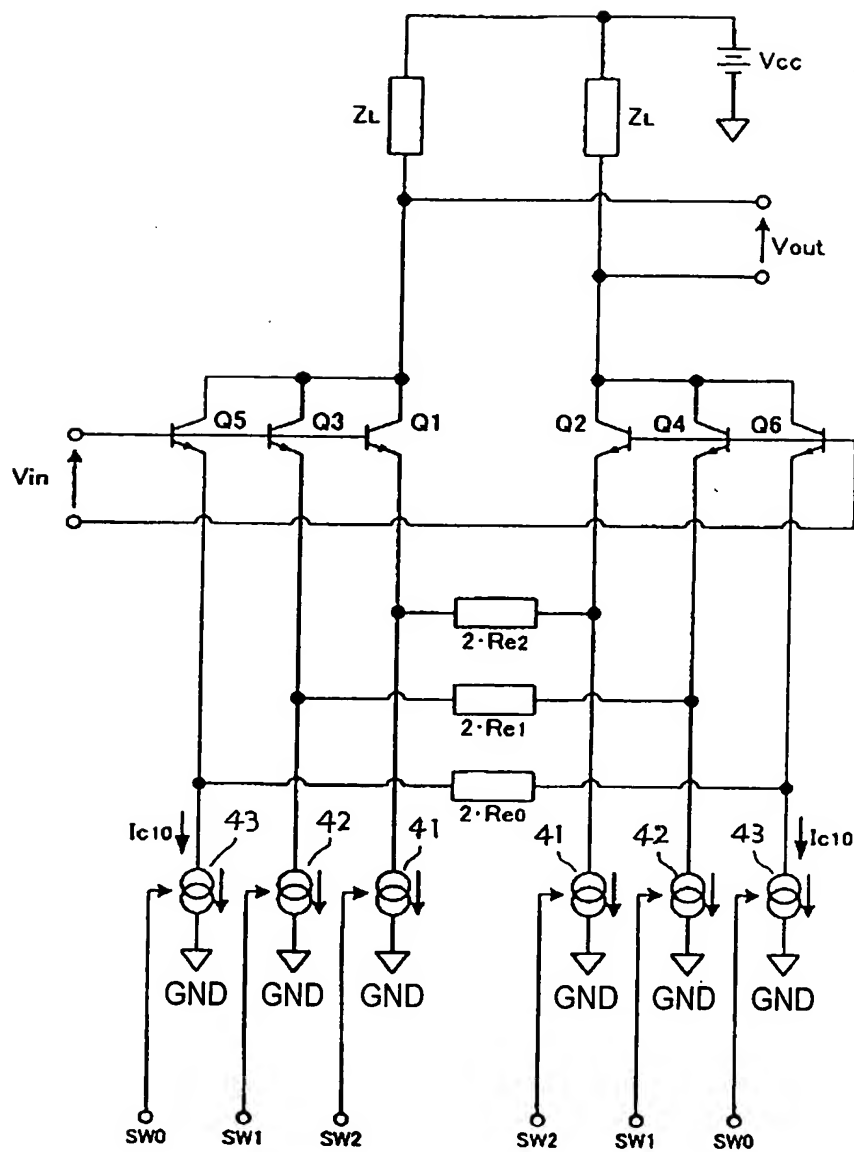
FIG. 7



8/33

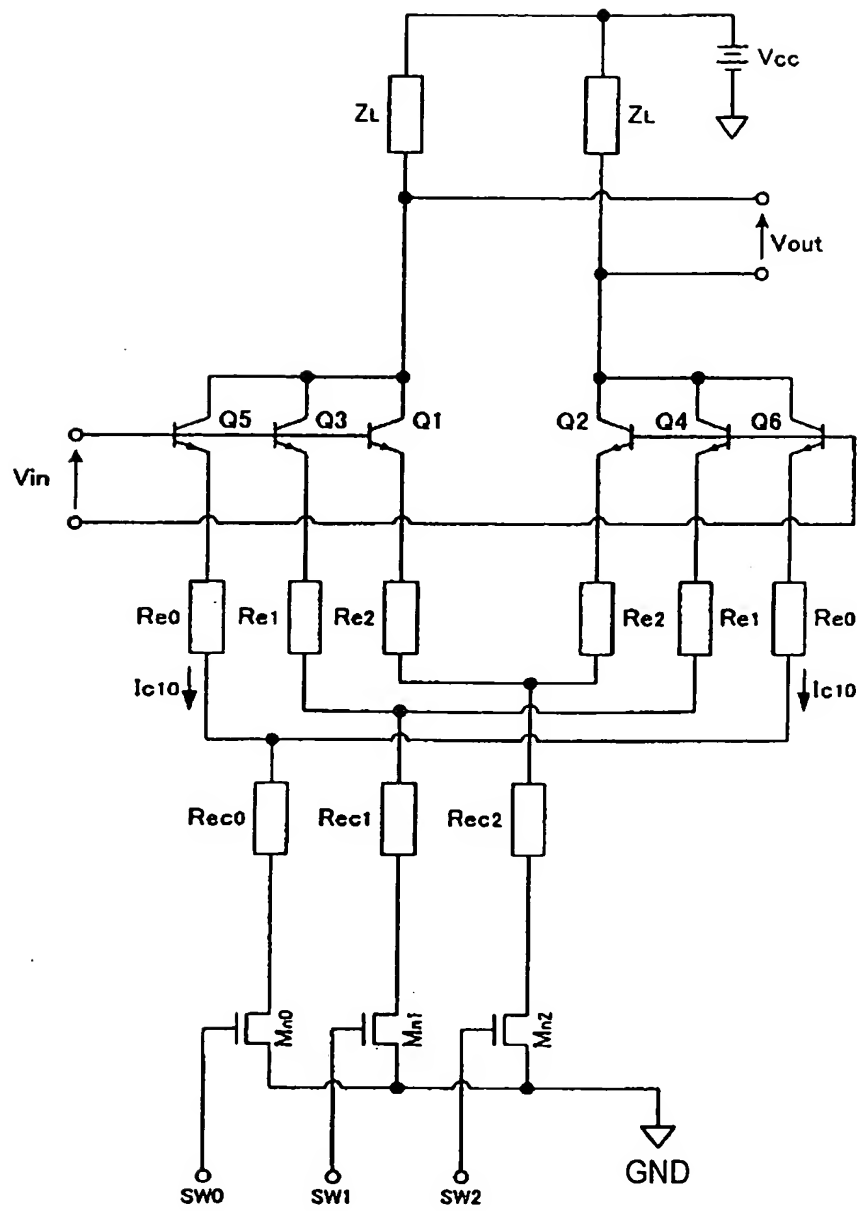
FIG. 8





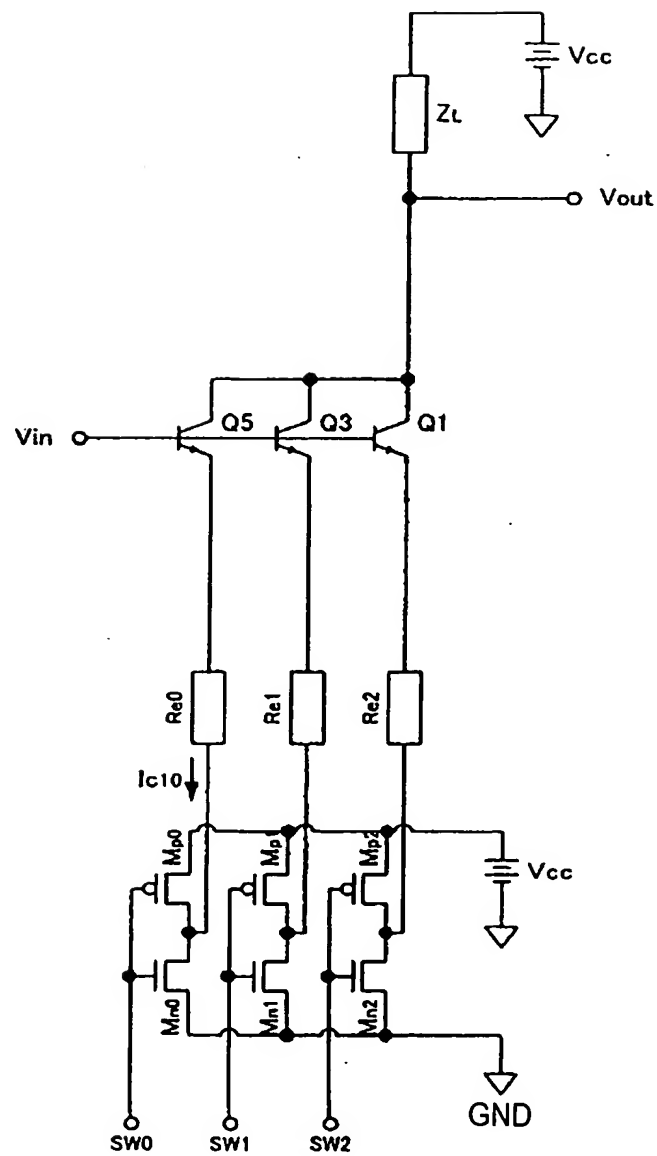
12/33

FIG. 12



15/33

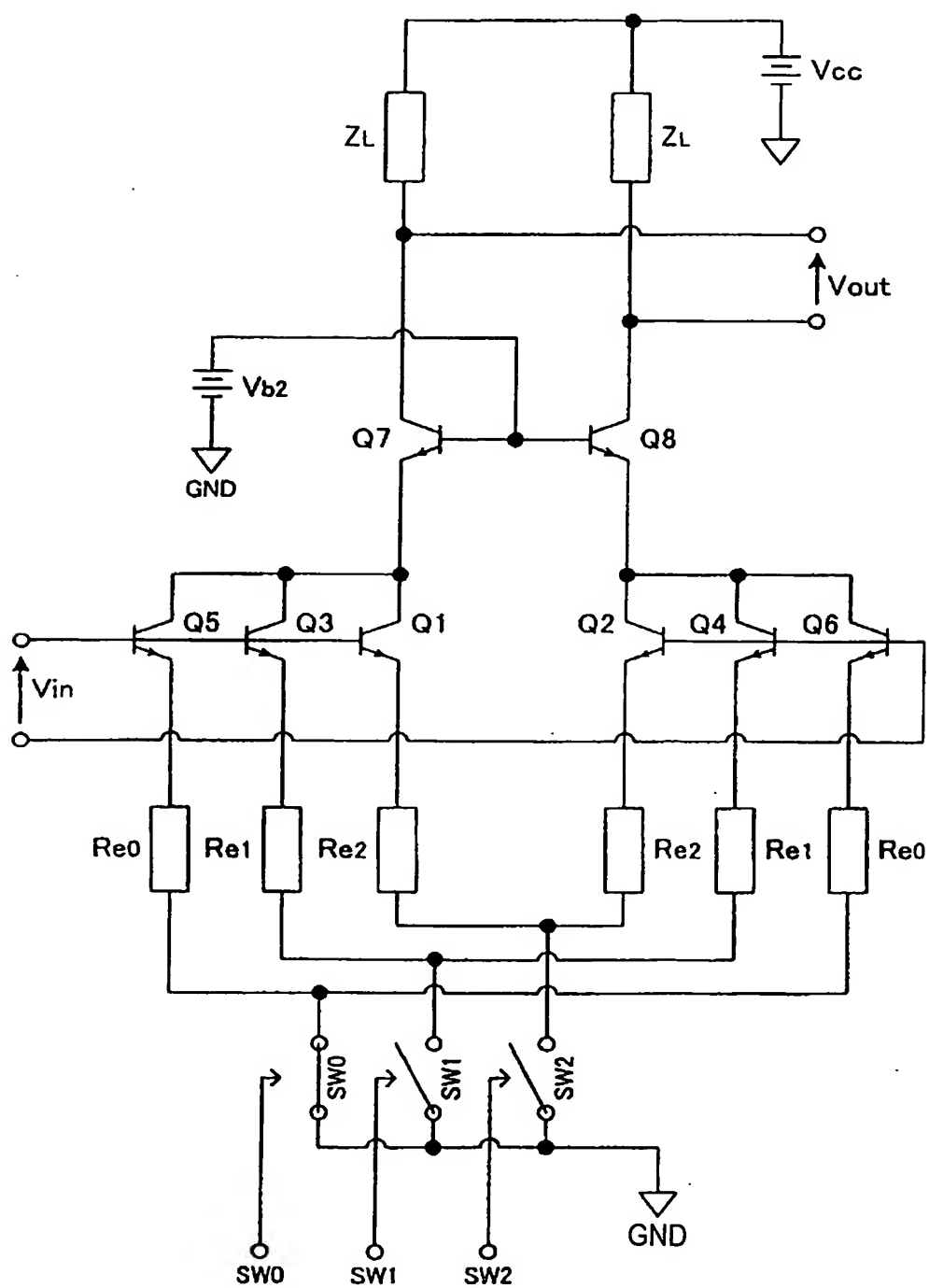
FIG. 15

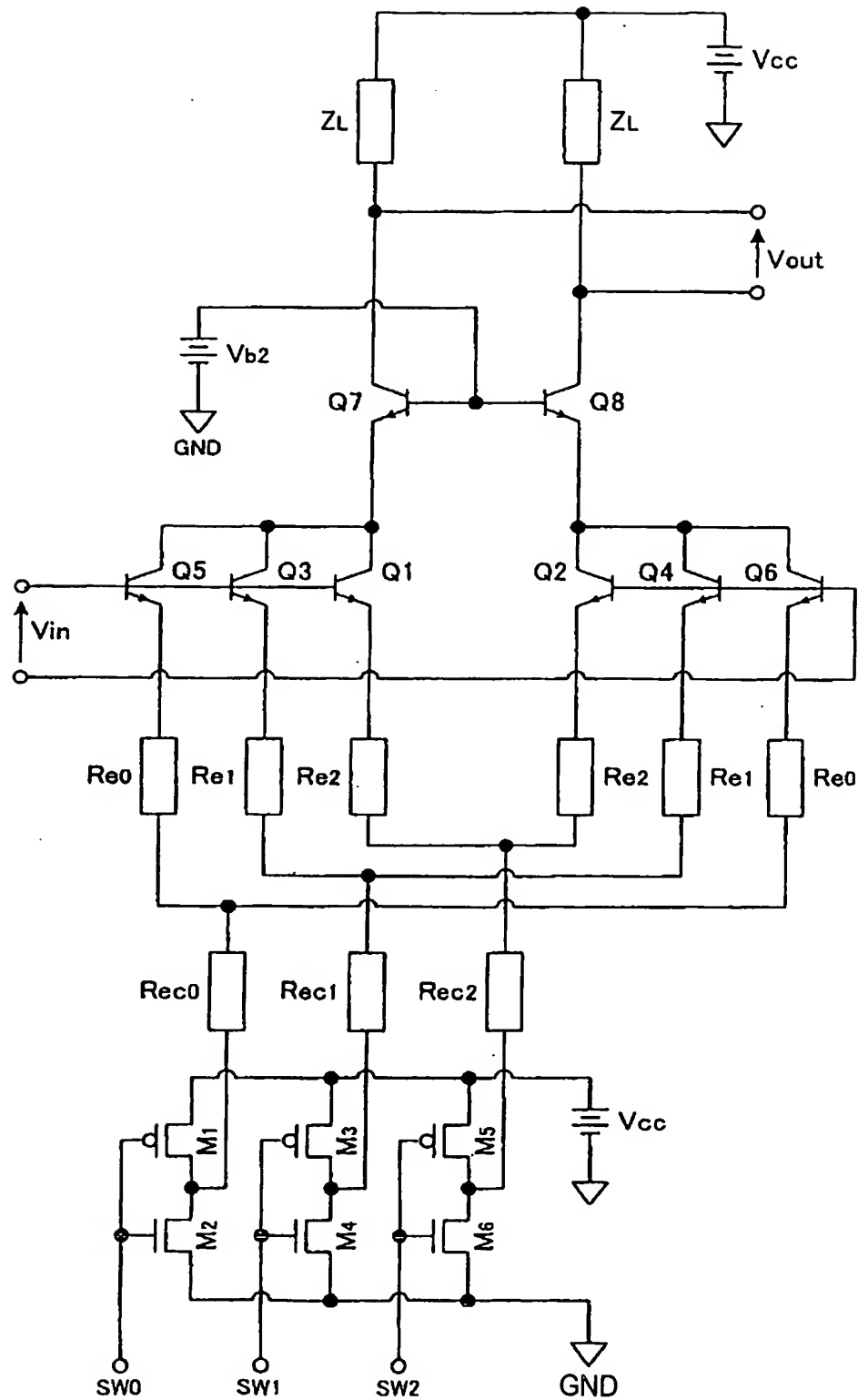


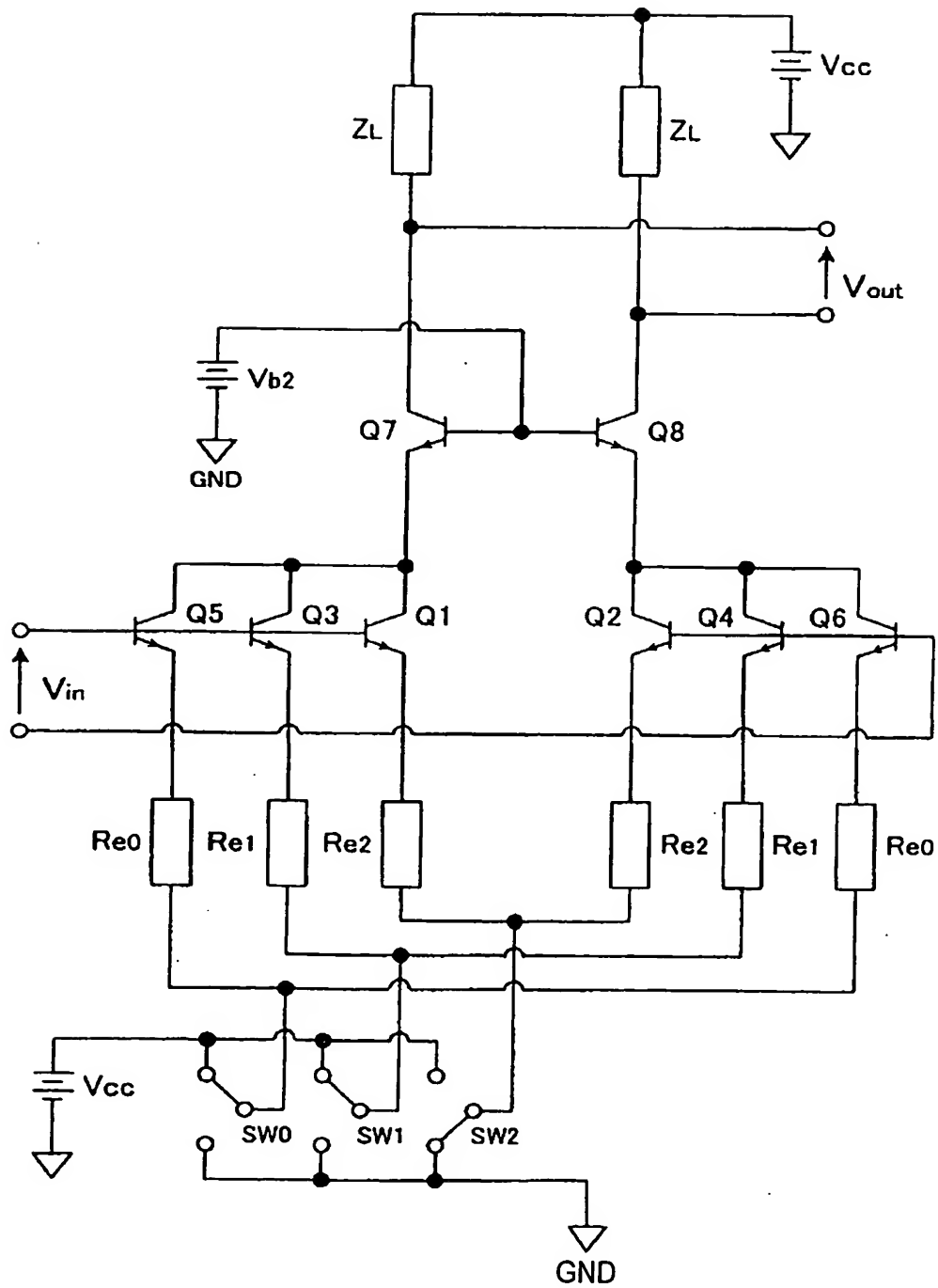
[illegible]

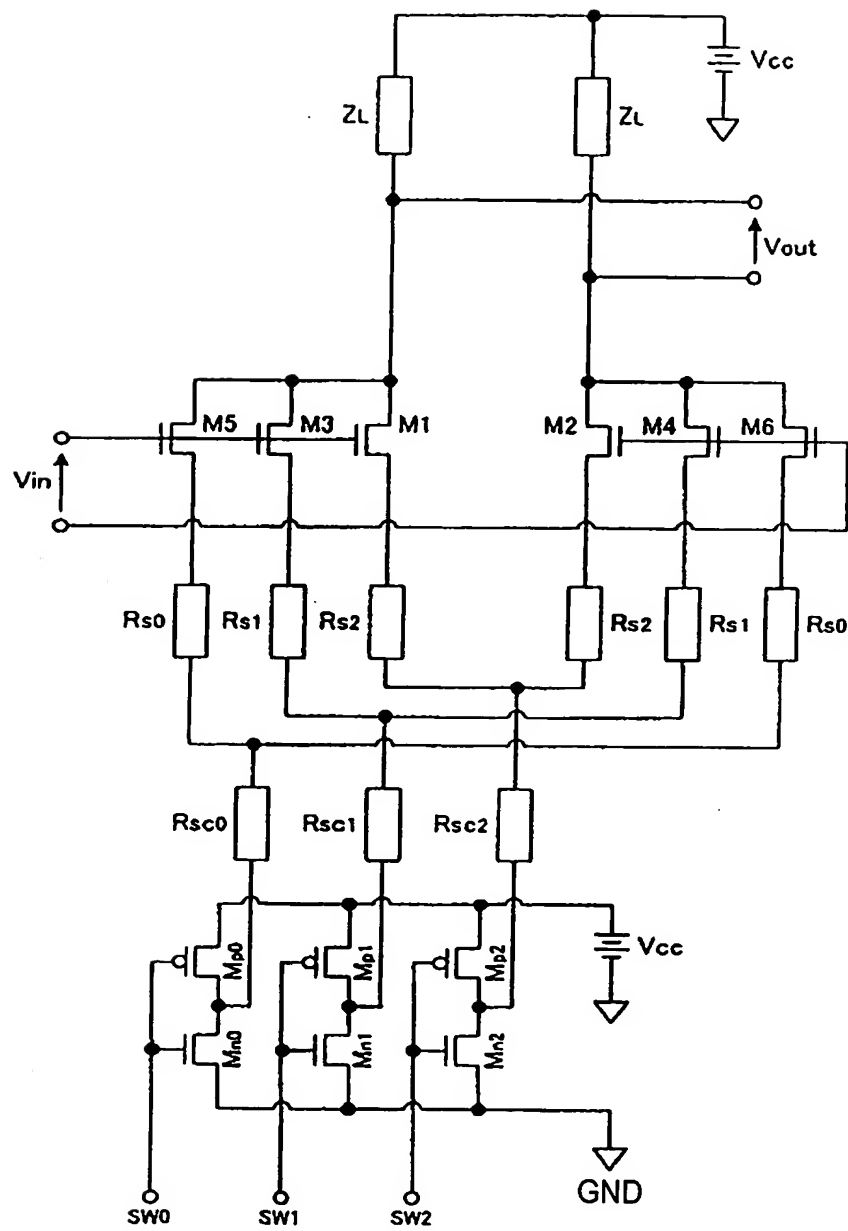
18/33

FIG. 18

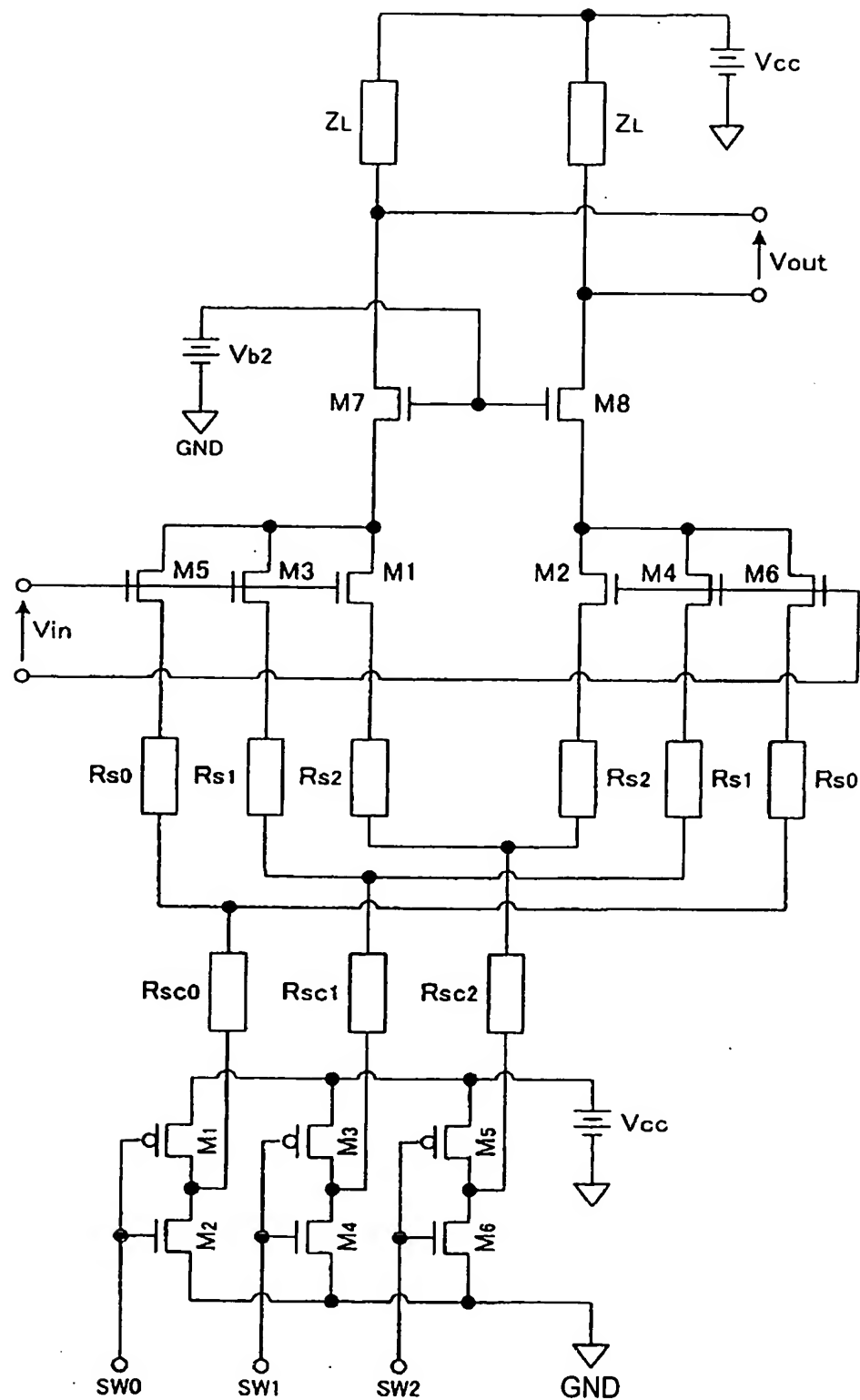








The diagram illustrates a 2.5T1M1R1 architecture for a 1T1R1 array. It features a crossbar array of access transistors (M1-M6) and storage elements (Rs0-Rs2). The wordline driver stage consists of PMOS transistors M7 and M8, and NMOS transistors M3 and M4. The bitline driver stage consists of PMOS transistors M5 and M6, and NMOS transistors M1 and M2. The output is taken from the bitline through a load impedance Z_L . Control signals SW0, SW1, and SW2 are shown at the bottom.



25/33

FIG. 25

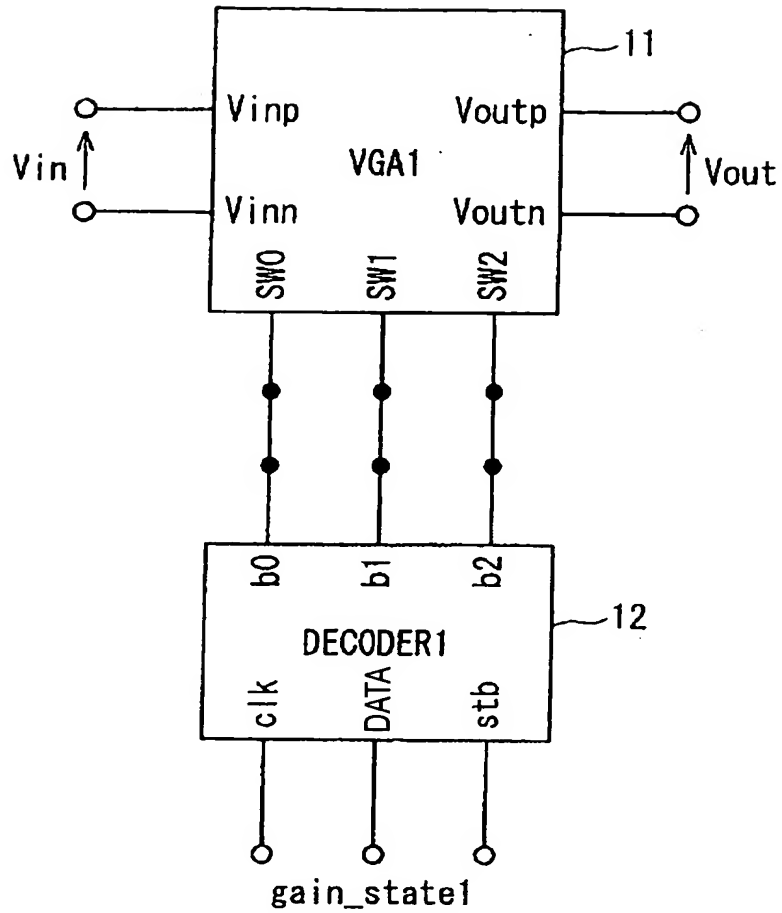


FIG. 26

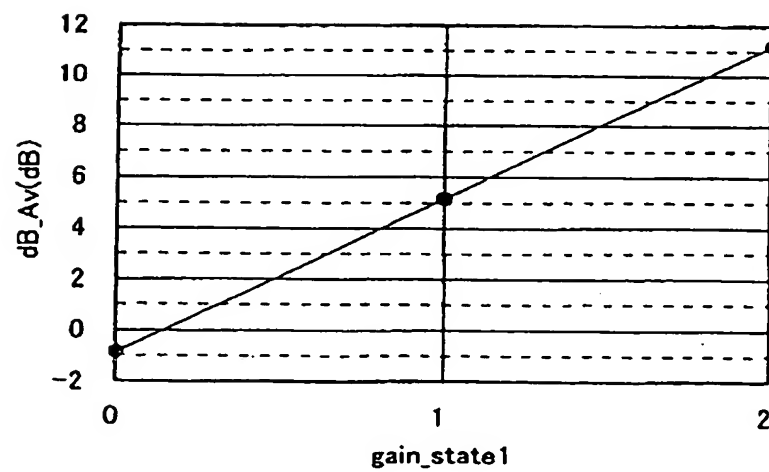


FIG. 27

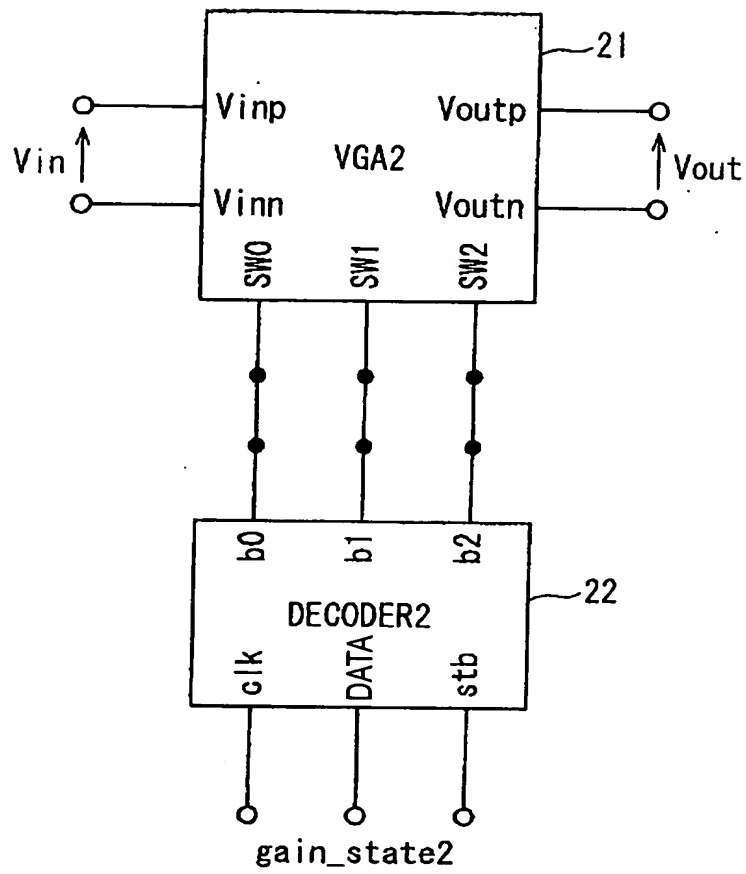
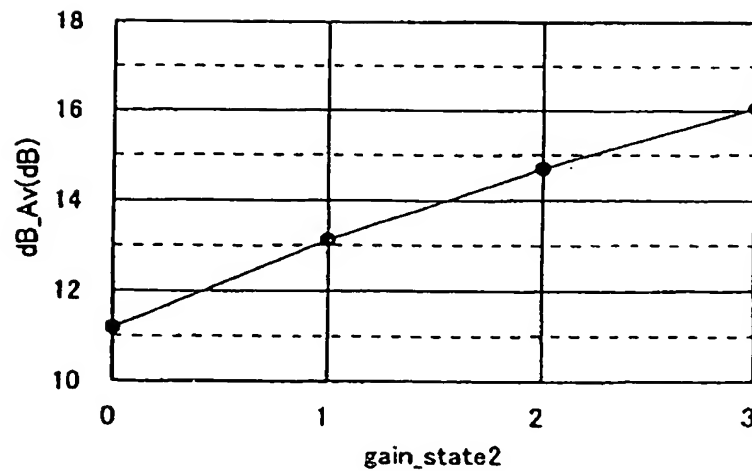


FIG. 28



27/33

FIG. 29

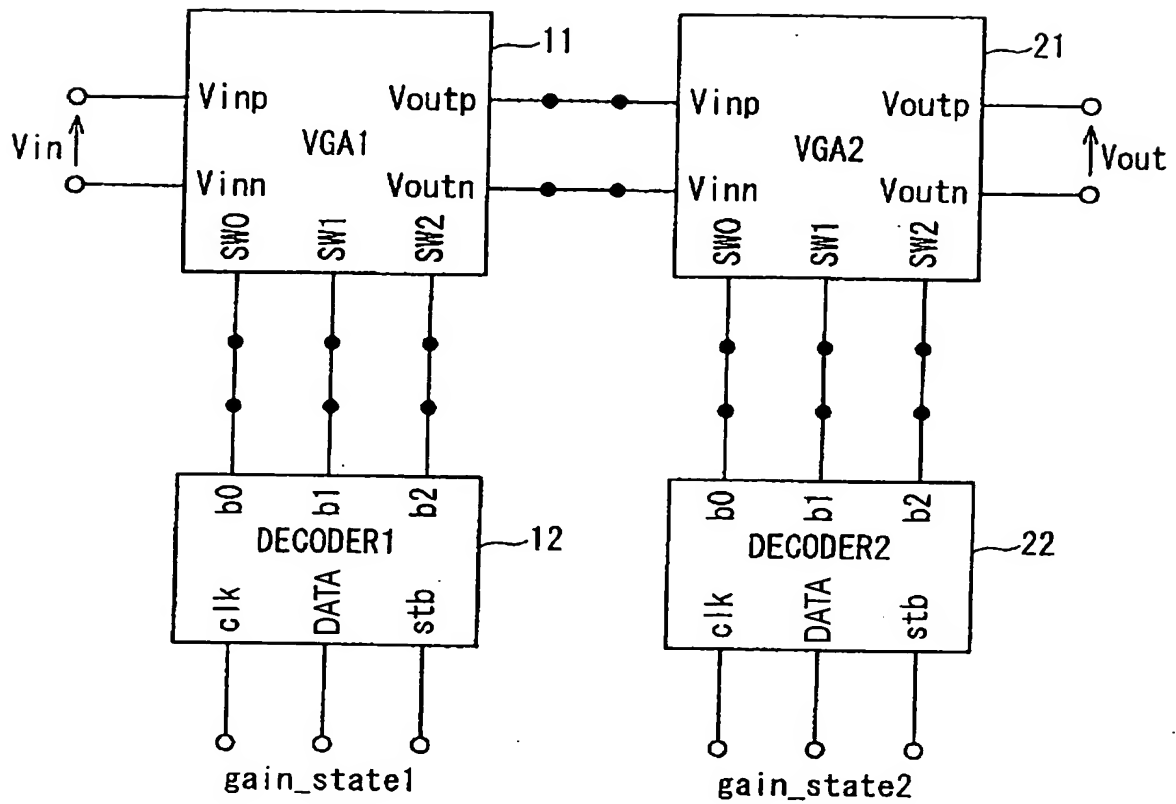


FIG. 30

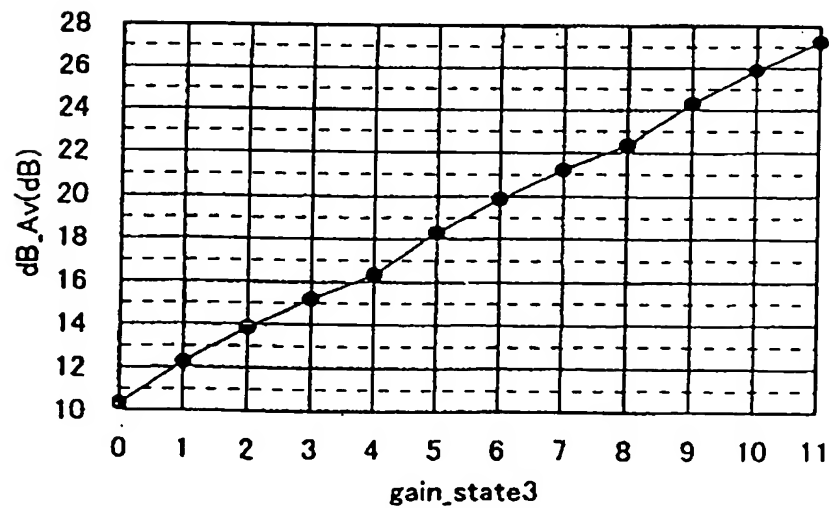


FIG. 31

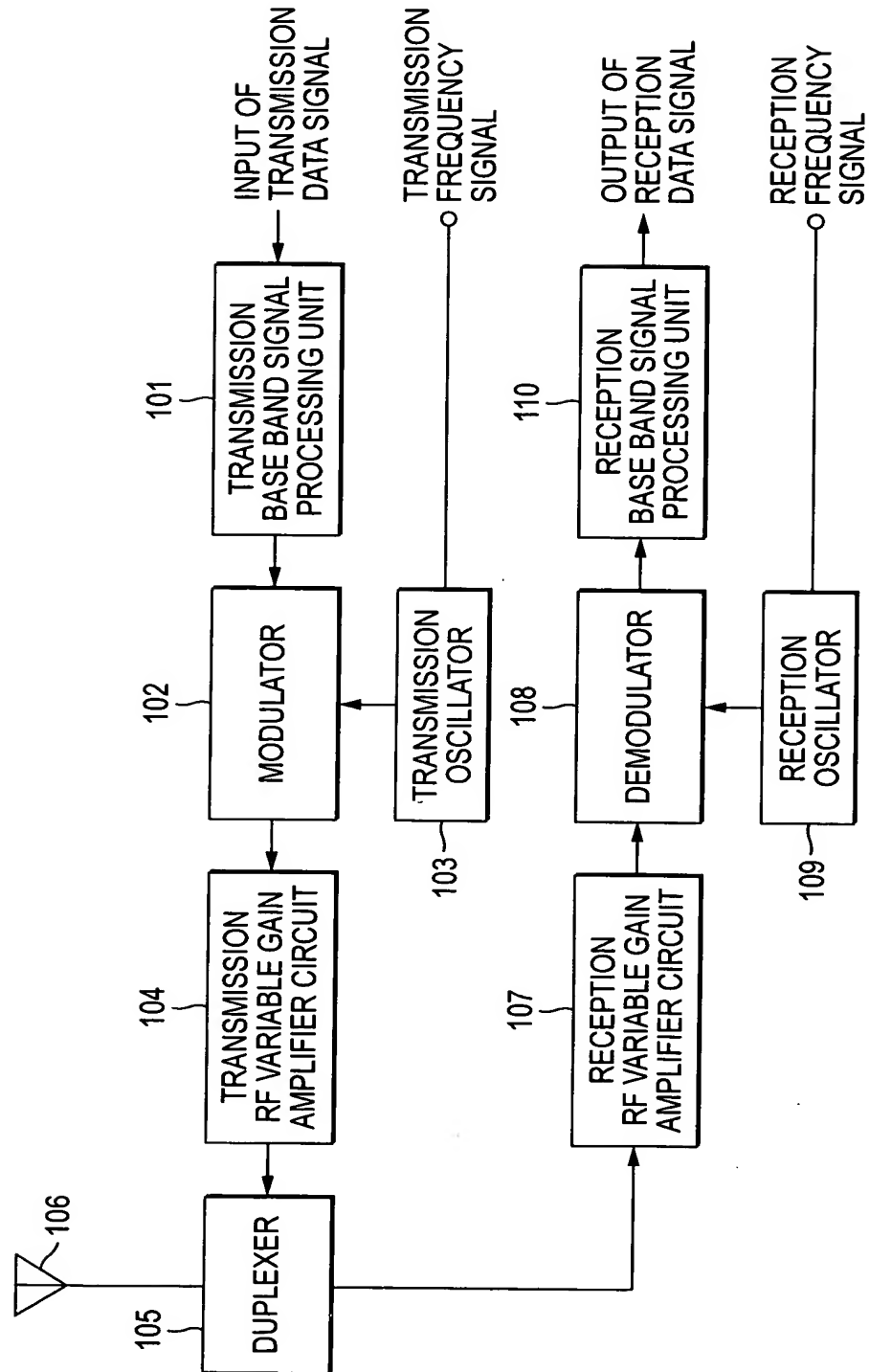
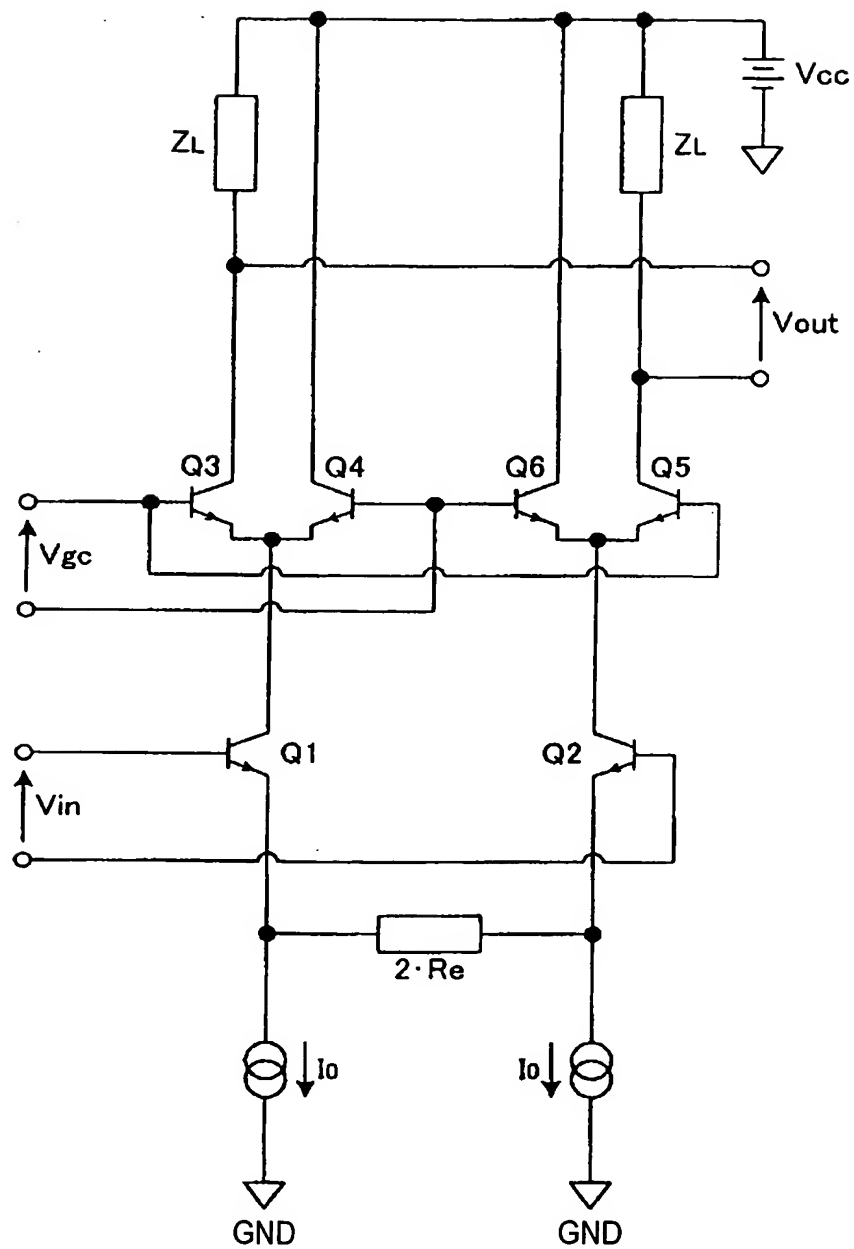
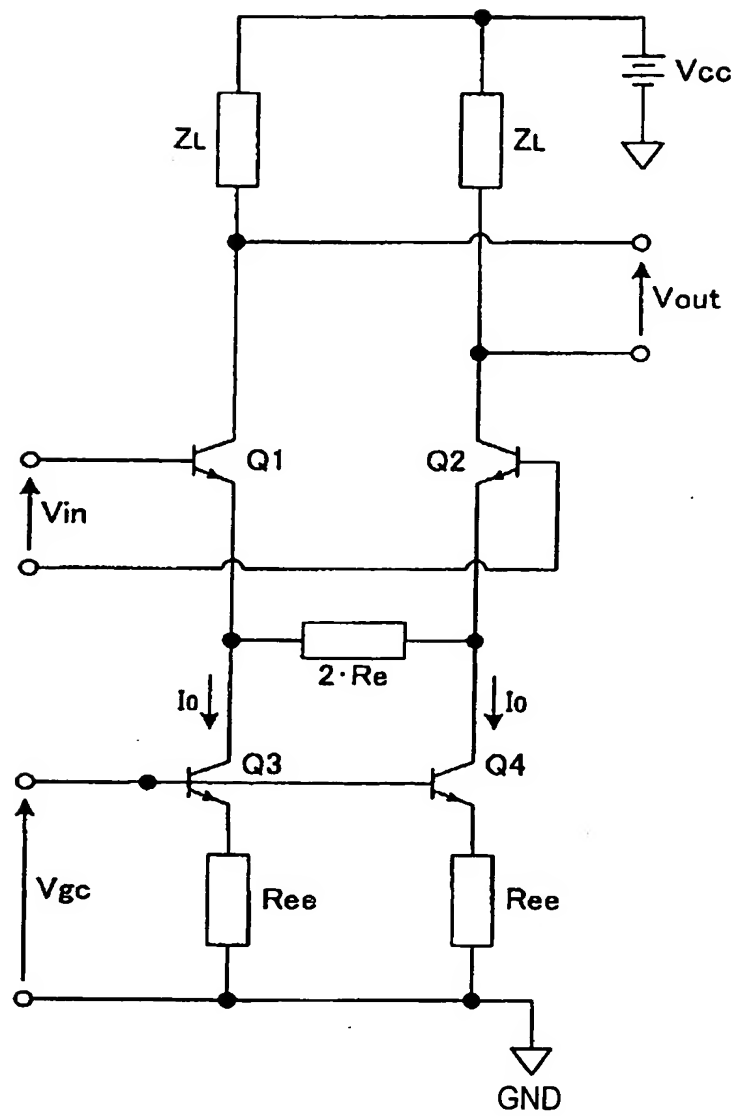


FIG. 32



30/33

FIG. 33



32/33

FIG. 35 (a)

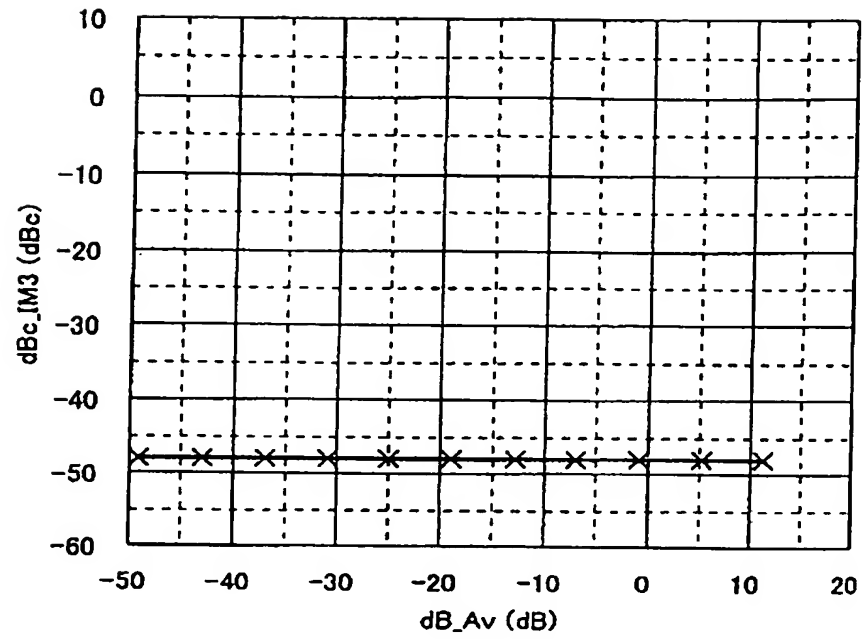
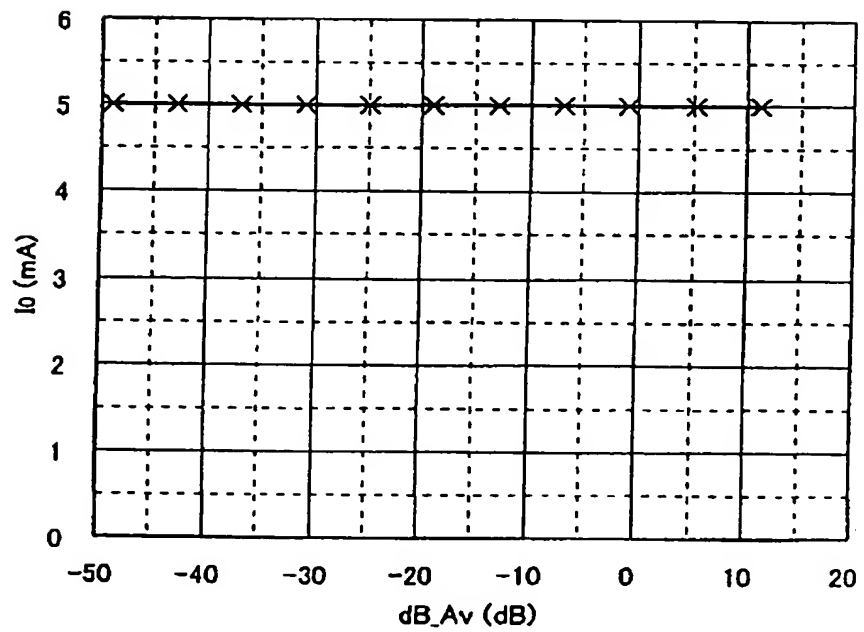


FIG. 35 (b)



33/33

FIG. 36 (a)

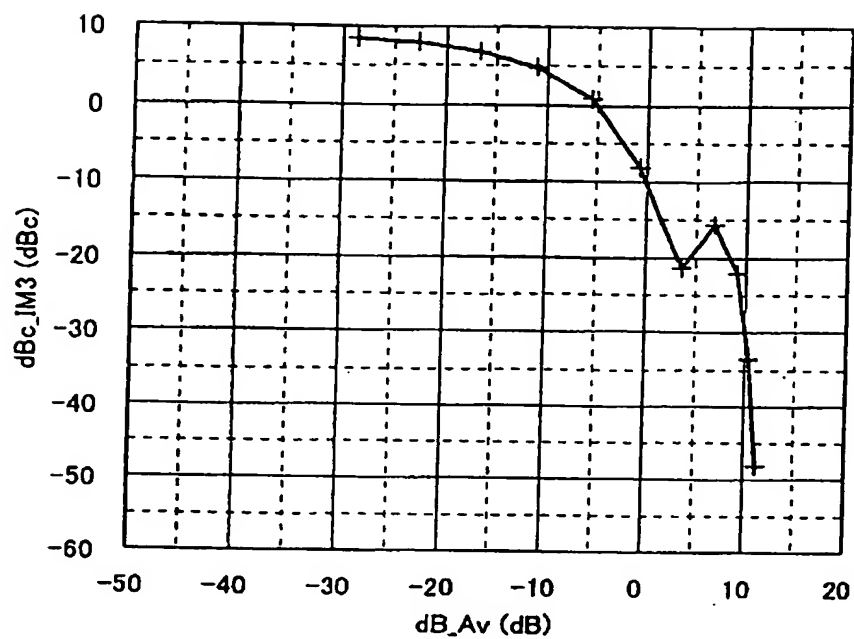
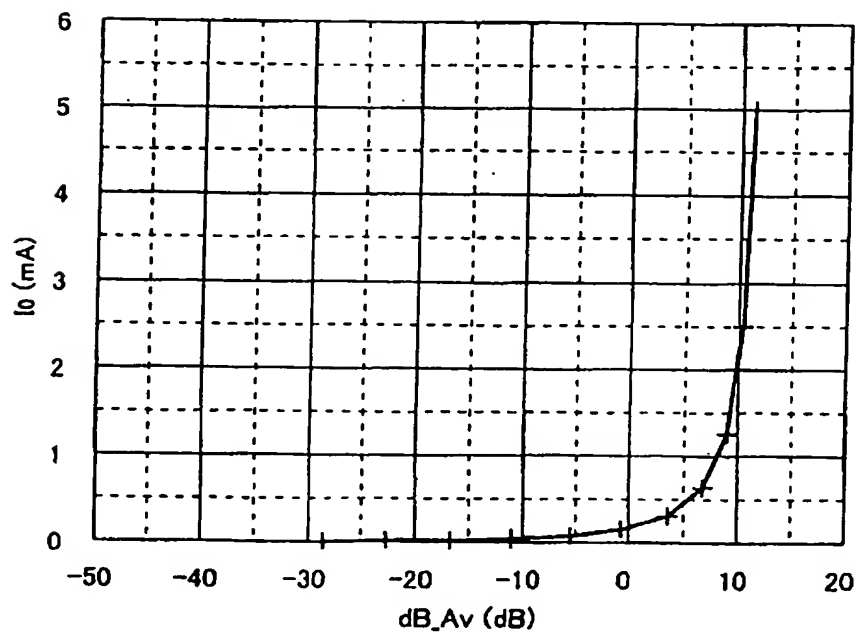


FIG. 36 (b)



**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☒ **FADED TEXT OR DRAWING**
- ☒ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.